IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

LIN et al.

Appl. No.: 10/661,648

Filed: September 12, 2003

For: High Speed Data Service Via **Satellite Modem Termination** System and Satellite Modems

Confirmation No.: 9489

Art Unit: 2611

Examiner: WONG, LINDA

Atty. Docket: 2875.0120002

Information Disclosure Statement

Mail Stop Amendment

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

Listed on accompanying IDS Forms are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached IDS Forms based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Applicants have checked the appropriate boxes below.

- 1. Statement under 37 C.F.R. 1.704(d). Each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this information disclosure statement.
- ∑ 2. Filing under 37 C.F.R. § 1.97(b). This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No statement or fee is required.
- 3. Filing under 37 C.F.R. § 1.97(c). This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application.

- a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
- b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- ☐ c. The required fee is provided through online credit card payment authorization in the amount of \$0.00 in payment of the fee under 37 C.F.R. § 1.17(p).
- 4. Filing under 37 C.F.R. § 1.97(d) This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. The required fee is provided through online credit card payment authorization in the amount of \$0.00 in payment of the fee under 37 C.F.R. § 1.17(p); in addition:

⋈ 7.	Copies of documents FP1-FP7 and NPL1-NPL12 are submitted. However, in
	accordance with 37 C.F.R. § 1.98(a)(2), no copies of U.S. patents and patent
	application publications cited on the attached IDS Forms are submitted.
8.	Copies of the documents were cited by or submitted to the Office in an IDS that
	complies with 37 C.F.R. § 1.98(a)-(c) in Application No, filed
	, which is relied upon for an earlier filing date under 35 U.S.C.
	§ 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).
9.	It is expected that the examiner will review the prosecution and cited art in the
	parent application no(s) in accordance with MPEP 2001.06(b),
	and indicate in the next communication from the office that the art cited in the
	earlier prosecution history has been reviewed in connection with the present
	application.

It is respectfully requested that the Examiner initial and return a copy of the enclosed IDS Forms, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Robert Sokohl Attorney for Applicants Registration No. 36,013

Date: June 29, 2007

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Substitute f	or form	1449/PT	0	Complete	e if Known
				Application Number	10/661,648
INFOR	TAM	ION [DISCLOSURE	Filing Date	September 12, 2003
STATE	ME	NT BY	APPLICANT	First Named Inventor	Dorothy D. LIN
			eets as necessary)	Art Unit	2611
			•	Examiner Name	WONG, LINDA
Sheet	1	of	1	Attorney Docket Number	2875.0120002

			U.S. PATENT DO	OCUMENTS		
Examiner Cite		Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines,	
Initials*	No.1	Number-Kind Code ^{2 (If Known)}	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	
	US1	5,406,570	04-01-1995	Berrou et al.		
	US2	5,446,747	08-01-1995	Berrou		
	US3	5,563,897	10-01-1996	Pyndiah et al.		
	US4	6,065,147	05-01-2000	Pyndiah et al.		
	US5	6,122,763	09-01-2000	Pyndiah et al.		
	US6	6,119,264	09-01-2000	Berrou et al		
	US7	6,169,728 B1	01-02-2001	Perreault et al		
	US8	6,459,703 B1	10-01-2002	Grimwood et al.		
	US9	6,594,467 B2	07-15-2003	Asia et al.		
	US10	6,807,193 B1	10-19-2004	Beser		
	US11	6,993,007 B2	01-31-2006	Gummalla et al.		
	US12	7,002,914 B2	02-21-2006	Cloonan		
	US13	2002/0036985 A1	03-28-2002	Jones et al.		
<u> </u>	US14	2003/0058794 A1	03-27-2003	Pantelias et al.		
	US15	2003/0069926 A1	04-10-2003	Weaver et al.		
	US16	2003/0147411 A1	08-07-2003	Goosman		
	US17	2004/0022307 A1	02-05-2004	Dale et al.		
	US18	2004/0006771 A1	01-08-2004	Dale et al.		
	US19	2004/0017830 A1	01-29-2004	Dale et al.		
·	US20	2004/0162020 A1	08-19-2004	Dale et al.		

		Fo	REIGN PATENT DO	CUMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where	
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			Relevant Passages or Relevant Figures Appear	T ⁶
	FP1	EP 0 681 382 A2	11-08-1995	Chester		
	FP2	EP 0 735 696 A1	10-02-1996	Berrou		
	FP3	EP 1 387 546 A2	02-04-2004	Dale et al.		
	FP4	FR 2 675 970 A1	10-30-1992	Claude		
	FP5	WO 01/89123 A1	11-22-2001	Ewen et al.		
	FP6	WO 2003/092203 A2	11-06-2003	Dale et al.		
	FP7	WO 2003/092204 A2	11-06-2003	Dale et al.		
	FP8					
	FP9					

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Substitute for form 1449/PTO	Con	Complete if Known		
	Application Number	10/661,648		
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STATEMENT BY APPLICAN		Dorothy D. LIN		
(Use as many sheets as necessary	Art Unit	2611		
	Examiner Name	WONG, LINDA		
Sheet 1 of 2	Attorney Docket Number	2875.0120002		

	NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²					
	NPL1	European Search Report for EP 03 01 7352, dated October 27, 2006, 2 pages.						
	NPL2	Alessi, George et al., "Adapting the DOCSIS Protocols for Military Point-to Multipoint Wireless Links," MILCOM 2000. 21st Century Military Communications Conference Proceedings, October 22-25, 2000, Piscataway, NJ, pp 80-84.						
	NPL3	Arunachalam, Arun, "Global Standardization Efforts of BWI Systems Based on Cable Modem," Emerging Technologies Symposium: Broadband, Wireless Internet Access, 2000 IEEE April 10-11, 2000, Piscataway, NJ, pp 1-4.						
	NPL4	D'Luna, Lionel J. et al., "A Single-Chip Universal Cable Set-Top Box/Modem Transceiver," IEEE Journal of Solid-State Circuits," IEEE Service Center, Piscataway, NJ, Vol. 34, No. 11, November 1999, pp 1647-1660.						
	NPL5	Research and Development: Communications/ Turbo Coding, from http://www.xenotran.com/turbo_tech_error_turbo.html, 5 pages (last visited March 11, 2002).						
	NPL6	Ryan, W.E., "A Turbo Code Tutorial," Proc. IEEE Globecom '98, IEEE, 9 pages (1998).						
	NPL7	Telecommunications and Mission Operations Directorate - DSN Technology Program, from http://www331.jpl.nasa.gov/public/TurboForce.GIF, 1 page (last visited March 11, 2002).						
	NPL8	Valenti, M.C., "Turbo codes and Iterative Processing," IEEE New Zealand Wireless Communications Symposium, 42 pages including tutorial slides (November 1998).						
	NPL9	Data-Over-Cable Service Interface Specifications, Radio Frequency Interface Specification, SP-RFIv1.1-I09-020830, Cable Television Laboratories, Inc., 1999-2002.						
	NPL10	Digital Video Broadcasting (DVB); Interaction Channel For Satellite Distribution Systems, ETSI EN 301 790 v1.2.2 (2000-12), European Telecommunications Standards Institute, European Broadcasting Union, 2000, 99 pgs.						

Examiner	Date	
Signature	Considered	

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(Use as many sheets as necessary)				Art Unit	2611			
				Examiner Name	WONG, LINDA			
Sheet	2	of	2	Attorney Docket Number	2875.0120002			

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published Copy of International Search Report for International Application No. PCT/US03/12642, dated December 18, 2003, 6 pages. International Search Report issued November 14, 2003 for Appln. No. PCT/US03/12645, 6 pages.	T ²
dated December 18, 2003, 6 pages. International Search Report issued November 14, 2003 for Appln. No. PCT/US03/12645,	
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